

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION
(FOR INTEL CORPORATION PATENT APPLICATIONS)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below, next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

the specification of which

_____ is attached hereto.
XX was filed on March 4, 1996 as
 United States Application Number 08/610,495
 or PCT International Application Number _____
 and was amended on _____
 (if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment referred to above. I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, and that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d), of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

<u>Prior Foreign Application(s)</u>			<u>Priority Claimed</u>	
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
_____	_____	_____	Yes	No
_____	_____	_____	Yes	No
_____	_____	_____	Yes	No

I hereby claim the benefit under title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below

(Application Number)	Filing Date
_____	_____
_____	_____

I her by claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Number)	Filing Date	(Status -- patented, pending, abandoned)
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Send correspondence to John P. Ward, BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN, 12400 Wilshire Boulevard 7th Floor, Los Angeles, California 90025 and direct telephone calls to John P. Ward, (408) 720-8598.
(Name of Attorney or Agent)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Sole/First Inventor Derrick Chu Lin

Inventor's Signature _____ Date _____

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(City, State) (Country)

Post Office Address 113 Barkentine Street
Foster City, California 94404 USA

Full Name of Second/Joint Inventor Punit Minocha

Inventor's Signature _____ Date _____

Residence Santa Clara, California Citizenship India
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Post Office Address 430 Oak Grove Drive, #302
Santa Clara, California 95054 USA

Full Name of Third/Joint Inventor Alexander D. Peleg

Inventor's Signature _____ Date _____

Residence Haifa Citizenship Israel
(City, State) (Country)

Post Office Address 38 Hannah Street
Haifa, ISRAEL

Full Name of Fourth/Joint Inventor Yaakov Yaari

Inventor's Signature _____ Date 23/8/96

Residence 53 Pinsky, Haifa Citizenship Israel
(City, State) (Country)

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Full Name of Fifth/Joint Inventor Millind Mittal

Inventor's Signature _____ Date _____

Residence South San Francisco, California Citizenship USA
(City, State) (Country)

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Full Name of Sixth/Joint Inventor Larry M. Mennemeier

Inventor's Signature _____ Date _____

Residence Boulder Creek, California Citizenship USA
(City, State) (Country)

Post Office Address P. O. Box 587
Boulder Creek, California 95006 USA

Full Name of Seventh/Joint Inventor Benny Eitan

Inventor's Signature _____ Date _____

Residence Haifa Citizenship Israel
(City, State) (Country)

Post Office Address 25 Stephen Wise
Haifa, ISRAEL

Title 37, Code of Federal Regulations, Section 1.56
Duty to Disclose Information Material to Patentability

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

(1) Prior art cited in search reports of a foreign patent office in a counterpart application, and

(2) The closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made or record in the application, and

(1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or

(2) It refutes, or is inconsistent with, a position the applicant takes in: —

(i) Opposing an argument of unpatentability relied on by the Office, or

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A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

(1) Each inventor named in the application;

(2) Each attorney or agent who prepares or prosecutes the application; and

(3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

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Full Name of Fourth/Joint Inventor Yaakov Yaari

Inventor's Signature _____ Date _____

Residence Hanadin, Haifa Citizenship Israel
(City, State) (Country)

Post Office Address 17/2 Soerot
Hanadin, Haifa Israel

Full Name of Fifth/Joint Inventor Millind Mittal

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Residence South San Francisco, California Citizenship USA
(City, State) (Country)

Post Office Address 1149 Hillside Boulevard
South San Francisco, California 94080 USA

Full Name of Sixth/Joint Inventor Larry M. Mennemeier

Inventor's Signature _____ Date _____

Residence Boulder Creek, California Citizenship USA
(City, State) (Country)

Post Office Address P. O. Box 587
Boulder Creek, California 95006 USA

Full Name of Seventh/Joint Inventor Benny Eitan

Inventor's Signature [Signature] Date 12/Aug/98

Residence Haifa Citizenship Israel
(City, State) (Country)

Post Office Address 25 Stephen Wise
Haifa, ISRAEL

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APPARATUS FOR PERFORMING PACKED SHIFT OPERATIONS

the specification of which



is attached hereto.

was filed on _____ as
United States Application Number 08/610,495
or PCT International Application Number _____
and was amended on _____

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Pg 2
LJV/ccm (01/31/96)

Full Name of Second/Joint Inventor (given name, family name) Punit Minocha

Inventor's Signature  Date 6/28/96

Residence Santa Clara, CA Citizenship India
(City, State) (Country)

P. O. Address 430 Oak Grove Drive #302

Santa Clara, CA 95054 USA

Full Name of Third/Joint Inventor (given name, family name) Alexander D. Peleg

Inventor's Signature _____ Date _____

Residence Haifa, Citizenship Israel
(City, State) (Country)

P. O. Address 38 Hannah Street

Haifa, ISRAEL

Full Name of Fourth/Joint Inventor (given name, family name) Yaakov Yaari

Inventor's Signature _____ Date _____

Residence Hanadin, Haifa Citizenship Israel
(City, State) (Country)

P. O. Address 17/2 Soerot

Hanadin, Haifa Israel

Full Name of Fifth/Joint Inventor (given name, family name) Millind Mittal

Inventor's Signature  Date June 28, 96

Residence South San Francisco, California Citizenship USA
(City, State) (Country)

P. O. Address 1149 Hillside Boulevard

South San Francisco, California 94080 USA

Full Name of Sixth/J int Inventor (given name, family name) Larry M. Mennemeier

Inventor's Signature *Larry M Mennemeier* Date 5-21-96

Residence Boulder Creek, California Citizenship USA
(City, State) (Country)

P. O. Address P.O. Box 587

Boulder Creek, California 95006 USA

Full Name of Seventh/Joint Inventor (given name, family name) Benny Eitan

Inventor's Signature _____ Date _____

Residence Haifa, Citizenship Israel
(City, State) (Country)

P. O. Address 25 Stephen Wise

Haifa, ISRAEL

Full Name of Eighth/Joint Inventor (given name, family name) _____

Inventor's Signature _____ Date _____

Residence _____ Citizenship _____
(City, State) (Country)

P. O. Address _____

Full Name of Ninth/Joint Inventor (given name, family name) _____

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As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below, next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or any original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

APPARATUS FOR PERFORMING PACKED SHIFT OPERATIONS

the specification of which

☐ is attached hereto.
☒ was filed on _____ as
 United States Application Number 08/610,495
 or PCT International Application Number _____
 and was amended on _____
 (if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment referred to above. I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, and that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d), of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

<u>Prior Foreign Application(s)</u>			<u>Priority Claimed</u>	
(Number)	(Country)	(Day/Month/Year Filed)	(Yes)	(No)
_____	_____	_____	_____	_____
(Number)	(Country)	(Day/Month/Year Filed)	(Yes)	(No)
_____	_____	_____	_____	_____
(Number)	(Country)	(Day/Month/Year Filed)	(Yes)	(No)
_____	_____	_____	_____	_____

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below:

_____	_____
(Application Number)	(Filing Date)
_____	_____
(Application Number)	(Filing Date)

(Application No.)	(Filing Date)	(Status -- patented, pending, abandoned)
(Application No.)	(Filing Date)	(Status -- patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Full Name of Ninth/Joint Inventor (given name, family name) _____

Inventor's Signature _____ **Date** _____

Residence _____ **Citizenship** _____
(City, State) (Country)

P. O. Address _____

Title 37, Code of Federal Regulations, Section 1.56
Duty to Disclose Information Material to Patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclosure information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclosure all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) Prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) The closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made or record in the application, and

- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
- (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

- (1) Each inventor named in the application;
 - (2) Each attorney or agent who prepares or prosecutes the application; and
 - (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.